

PRELIMINARY EDITION  
ATARI  
CX22™ TRAKBALL  
PRELIMINARY DOCUMENTATION PACKAGE

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ATARI INCORPORATED  
SUNNYVALE, CALIFORNIA 94086





This package contains information which will allow you to service the initial released version of the ATARI CX22™ Trakball. This version does not have the MODE SELECT SWITCH which will be on the next version of the CX22. A complete field service manual will be released for the MODE SELECT SWITCH version at the time of that product's release.

Attached are the following items:

- 1) CX22 TOP/BOTTOM HOUSING DISASSEMBLY/ASSEMBLY INSTRUCTIONS
- 2) CX22 TRAKBALL PARTS LIST
- 3) CX22 TRAKBALL SILKSCREEN
- 4) CX22 TRAKBALL SCHEMATIC

If you encounter problems, call your ATARI Techline Specialist:

Inside California  
(800) 672-1466

Outside California  
(800) 538-1535



## CX22 TOP/BOTTOM HOUSING DISASSEMBLY/ASSEMBLY INSTRUCTIONS

Use the following six steps to avoid unnecessary marring of the CX22 case and also for ease of disassembly.

- 1) Turn the housing upside down on a soft, protected surface.
- 2) Remove the screws from each corner of the unit, there are four (See Figure 1).
- 3) Insert a screwdriver (Phillips-head or flat-head) into one of the support post holes in the bottom housing (See Figure 1).
- 4) Turn the unit right side up and rest the handle of the screwdriver against a solid surface.
- 5) Carefully press down on the ball until the edges of the top and bottom housings become separated.
- 6) Repeat steps 3) thru 5) in the other support post hole.

To reassemble the CX22, align the top and bottom housings and press together. Now, insert and tighten the four screws removed in 1), above.

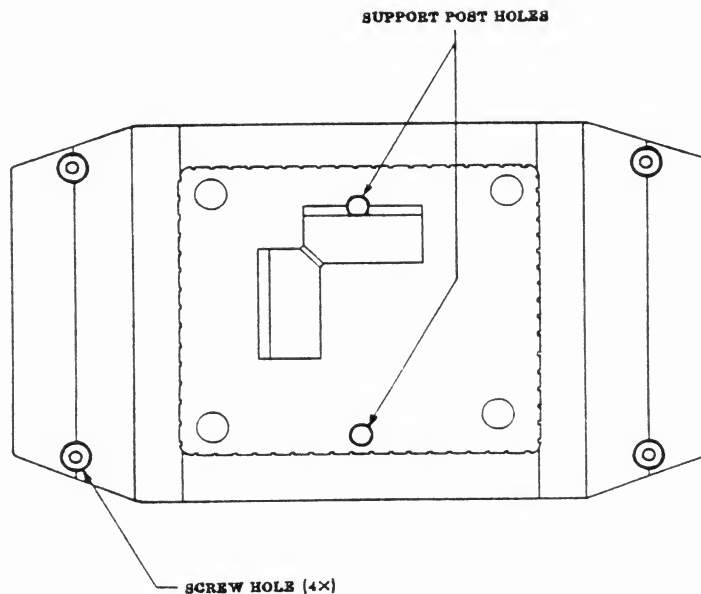


Figure 1. CX22 Bottom Housing  
(Bottom View)



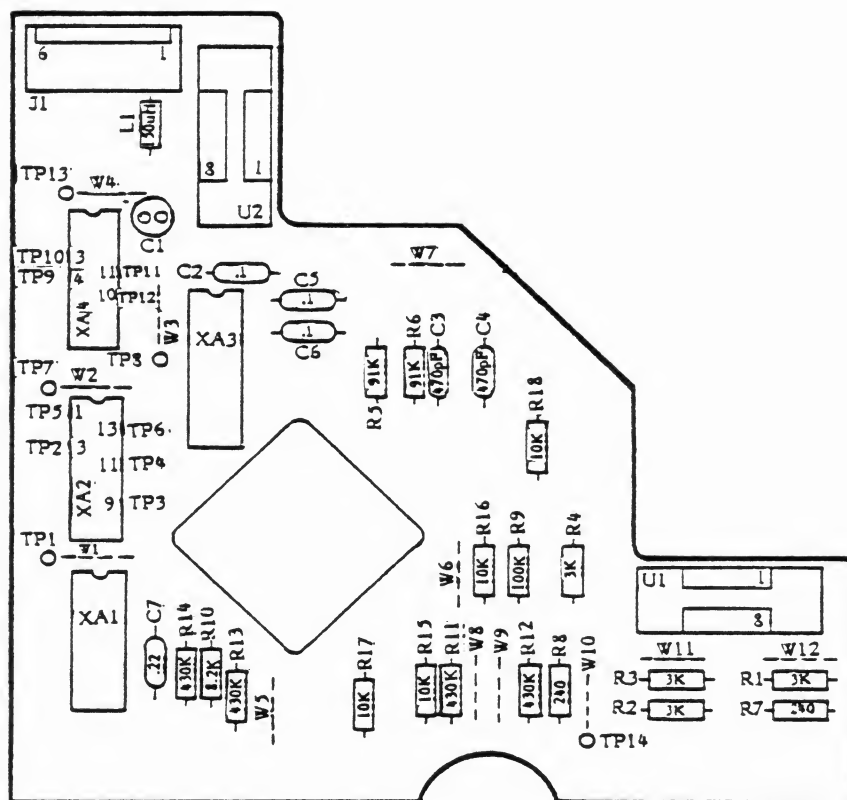
# CX22 TRAKBALL

## PARTS LIST

<u>LOCATOR</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
	Trakball Assy	CA020581
	Top Housing Assy	CA020567
	Bottom Housing Assy	CA020568
	Lower PCB Assy	CA020557
	Fire Button PCB Assy	CA020560
	Roller Shaft Assy	CA020583
	Idler Shaft Assy	CA020582
	Cable Assy - 7 Wire	CA020566
	Top Housing	C020562
	Bottom Housing	C020563
	Fire Button	C020564
	Spring	C020565
	Ball	C020191
C1	Cap, Electrolytic Radial 10uF, 16V	C014392
C2	Cap, Ceramic Axial .1uF 50V $\pm 20\%$ X7R	C014181-03
C3,4	Cap, Ceramic Axial 470pF, 50V $\pm 20\%$ X7R	C014180-07
C5,6	Cap, Mylar Radial .1uF, 100V	C017885
C7	Cap, Ceramic Axial .22uF 50V $\pm 20\%$ Z5U	C014181-05
R1-4	Resistor 3K, 1/4W 5%	14-5302
R5,6	Resistor 91K, 1/4W 5%	14-5913
R7,8	Resistor 240 Ohm, 1/4W 5%	14-5241
R9	Resistor 100K, 1/4W 5%	14-5104
R10	Resistor 8.2K, 1/4W 5%	14-5822
R11-14	Resistor 430K, 1/4W 5%	14-5434
R15-18	Resistor 10K, 1/4W 5%	14-5103
XA1,2,4	Socket I.C., 14 Pin	C014386-02
XA3	Socket I.C., 16 Pin	C014386-03
J1	Connector, Molex 6 Pin	C020461-06
U1,2	Optocoupler	C020290
	PCB	C020559
A1	I.C. LM339	C015950
A2	I.C. 4013	C014334
A3	I.C. 4538	C020478
A4	I.C. 4011	C014333
L1	Inductor, Axial, 150uH, 5%	C017948-01

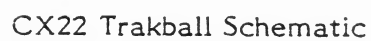






CX22 Trakball Silkscreen





## CX22 Trakball Schematic

